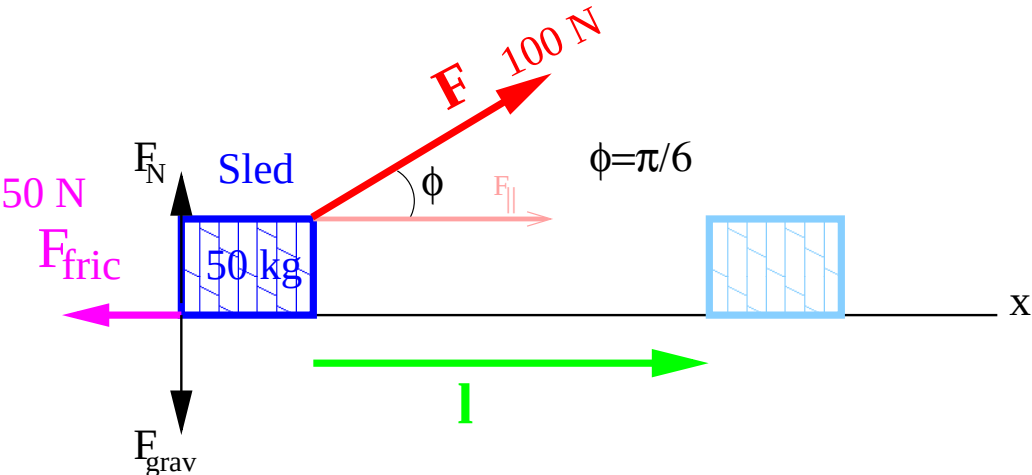
F
100 N
F_N
Sled
ϕ
F_||
ϕ=π/6
50 N
F_fric
50 kg
x
l
F_grav